

COMPLETE LISTING OF CLAIMS, INCORPORATING AMENDMENTS
IN RESPONSE TO OFFICE ACTION DATED 05/30/2006
FOR SERIAL NO. 10/817,413

We claim:

1. – 13. (Cancelled)

14. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer; and
- c) an oxygen conducting material integral with said transparent base layer.

15. (Withdrawn) The self-cleaning window assembly as set forth in claim 14, wherein said transparent base layer is selected from a group consisting of: quartz, zirconia, silica, alumina, and titania.

16. (Withdrawn) The self-cleaning window assembly as set forth in claim 14, wherein said transparent base layer is electrically conductive.

17. (Currently amended) ~~The self-cleaning window assembly as set forth in claim 14—~~A self-cleaning window assembly comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer, wherein said catalytic material is selected from a group consisting of: gold, silver, platinum or a zeolite; and
- c) an oxygen conducting material integral with said transparent base layer.

18. (Currently amended) The self-cleaning window assembly as set forth in claim 14, 17, wherein said catalytic material is comprised of zeolites.

19. (Withdrawn) A self-cleaning window assembly, comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a means for heating attached to said transparent base layer; and
- c) an oxygen conducting material integral with said transparent base layer.

20. (Withdrawn) The self-cleaning window assembly as set forth in claim 19, wherein said transparent base layer is selected from a group consisting of: quartz, zirconia, silica, alumina, and titania.

21. (Withdrawn) The self-cleaning window assembly as set forth in claim 19, wherein said transparent base layer is electronically conductive.

22. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer;
- c) a means for heating attached to said transparent base layer; and
- d) an oxygen conducting material integral with said transparent base.

23. (Withdrawn) The self-cleaning window assembly as set forth in claim 22, wherein said transparent base layer is selected from a group consisting of: quartz, zirconia, silica, alumina, and titania.

24. (Withdrawn) The self-cleaning window assembly as set forth in claim 22, wherein said transparent base layer is electrically conductive.

25. (Currently amended) ~~The self-cleaning window assembly as set forth in claim 22,~~ A self-cleaning window assembly comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer, wherein said catalytic material is selected from a group consisting of gold, silver, platinum or a zeolite;
- c) a means for heating attached to said transparent base layer; and
- d) an oxygen conducting material integral with said transparent base.

26. (Currently amended) The self-cleaning window assembly as set forth in claim 22, 25 wherein said catalytic material is comprised of zeolites.

27. – 43. (Cancelled)

44. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer having an inner and outer surface;
- b) a catalytic/heat transfer material attached to said transparent base layer; and
- c) an oxygen conducting material integral with said transparent base layer.

45. (Withdrawn) The self-cleaning window assembly as set forth in claim 44, wherein said transparent base layer is selected from a group consisting of: quartz, zirconia, silica, alumina, and titania.

46. (Withdrawn) The self-cleaning window assembly as set forth in claim 44, wherein said transparent base layer is electrically conductive.

47. (Withdrawn) The self-cleaning window assembly as set forth in claim 44, wherein said catalytic/heat transfer material is zirconia.

48. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of an oxygen conducting material, said transparent base layer having an inner and outer surface; and
- b) a catalytic/heat transfer material, such as zirconia, attached to said transparent base layer.

49. (Currently amended) ~~The self-cleaning window assembly as set forth in claim 48,~~ A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of an oxygen conducting material, said transparent base layer having an inner and outer surface wherein said transparent base layer is selected from a group consisting of: quartz, zirconia, silica, alumina, and titania; and
- b) a catalytic/heat transfer material, such as zirconia, attached to said transparent base layer.

50. (Withdrawn) The self-cleaning window assembly as set forth in claim 48, wherein said transparent base layer is electrically conductive.

51. – 54. (Cancelled)

55. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of a heat transfer material, said transparent base layer having an inner and outer surface; and
- b) an oxygen conducting material integral with said transparent base layer.

56. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of a heat transfer material, said transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer; and
- c) an oxygen conducting material integral with said transparent base layer.

57. (Currently amended) ~~The self-cleaning window assembly as set forth in claim 56,~~ A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of a heat transfer material, said transparent base layer having an inner and outer surface;
- b) a catalytic material attached to said transparent base layer, wherein said catalytic material is selected from a group consisting of: gold, silver, platinum or a zeolite; and
- c) an oxygen conducting material integral with said transparent base layer.

58. (Currently amended) The self-cleaning window assembly as set forth in claim 56, 57 wherein said catalytic material is comprised of zeolites.

59. (Withdrawn) A self-cleaning window assembly comprising a transparent base layer, comprised of a heat transfer material which also conducts oxygen, having an inner and outer surface.

60. (Withdrawn) A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of a heat transfer material which also conducts oxygen, said transparent base layer having an inner and outer surface; and
- b) a catalytic material integral with said transparent base layer.

61. (Currently amended) ~~The self-cleaning window assembly as set forth in claim 60,~~ A self-cleaning window assembly comprising:

- a) a transparent base layer, comprised of a heat transfer material which also conducts oxygen, said transparent base layer having an inner and outer surface; and
- b) a catalytic material integral with said transparent base layer, wherein said catalytic material is selected from a group consisting of: gold, silver, platinum or a zeolite.

62. (Currently amended) The self-cleaning window assembly as set forth in claim ~~60~~, 61 wherein said catalytic material is comprised of zeolites.

63. (Cancelled)